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REPORT

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COUNTRY Poland

DATE DISTR. 31 Dec. 53

SUBJECT The Electrical Instrument Factory, A-3

NO. OF PAGES 4

DATE OF INFORMATION

REFERENCES:

50X1

PLACE ACQUIRED

THIS IS UNEVALUATED INFORMATION

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1. The Electrical Instrument Factory, A-3 (Zaklady Wytworzeze Przyrzadow Pomiarowych - ZWPP) was located in Wlochy, about four kilometers south-west of Warsaw. Annex A This was the former, privately-owned, Era factory, which, up to 1939, produced parts for electrical equipment, some electrical instruments, small electric motors, switches, etc. After 1945 it was taken over by the government and up to 1946 its production was based on semifinished products and components of German origin. The factory was subordinate to the Central Industrial Administration of the Electrical Machine Industry, which was an administrative branch of the Ministry of Machine Industry.
2. The factory was under the direction of Ing. WALTER. See Annex B. The employees numbered about 500 and mainly consisted of boys and girls about 15-16 years old who lived in the neighborhood. The majority of the workers were unskilled or poorly trained for the job. The pay was rather low, about 350 zloty per month. The factory occupied three to four three-story brick buildings. It was guarded by the Industrial Guards and every visitor had to obtain a pass to enter the factory.
3. The factory conducted an electrotechnical school for its own young employees. The course lasted three years and was designed to develop skilled operators and foremen. The students worked a limited number of hours in the factory while attending the course. 50X1
4. The factory was poorly equipped and , not like a modern factory of its type. 50X1

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5. The factory had its own small laboratory which was very poorly equipped with measuring instruments. The research carried out in this laboratory was concerned only with the production of the factory.
6. The factory did not have its own power supply but received electricity from the public power plant. There was probably a transformer station in the factory.
7. The factory produced unmounted electrical measuring instruments and laboratory instruments, such as voltmeters, ammeters, watt-hour meters, insulation meters, and the popular, multi-range, AC-DC volt-ammeter. Production was poorly organized. No automatic devices were used and all products were mostly handmade. The manufactured instruments were not sufficiently precise and were short-lived.
8. The following materials were used: copper, brass, steel, aluminum in plates and wire, aluminum cast, glass, Bakelite, and varnish of Polish production. Semifinished products such as sapphire bearings and hair springs were imported. Magnets were obtained from the Baildon Works in Silesia. The main difficulties in production were the constant lack of material, the insufficient supply of magnets, which were of poor quality and which were put into use before they had time to age or season, and the lack of qualified technical personnel. I do not know the output of this factory. However, it was far below the demand.
9. The manufactured instruments were sent to the Central Commercial Sales Office of the Electrical Industry (Centrala Handlowa Przemyslu Elektrotechnicznego). I do not know the prices charged. Catalogues could be obtained in the Central Commercial Sales Office of the Electrical Industry in Warsaw.

## ANNEXES:

- A. Overlay, Showing Location of the Electrical Instrument Factory, Based on the Map of Warsaw, Poland, 1:100,000, Sheet P15, N51-45, E20-20/30 x 60

B. 

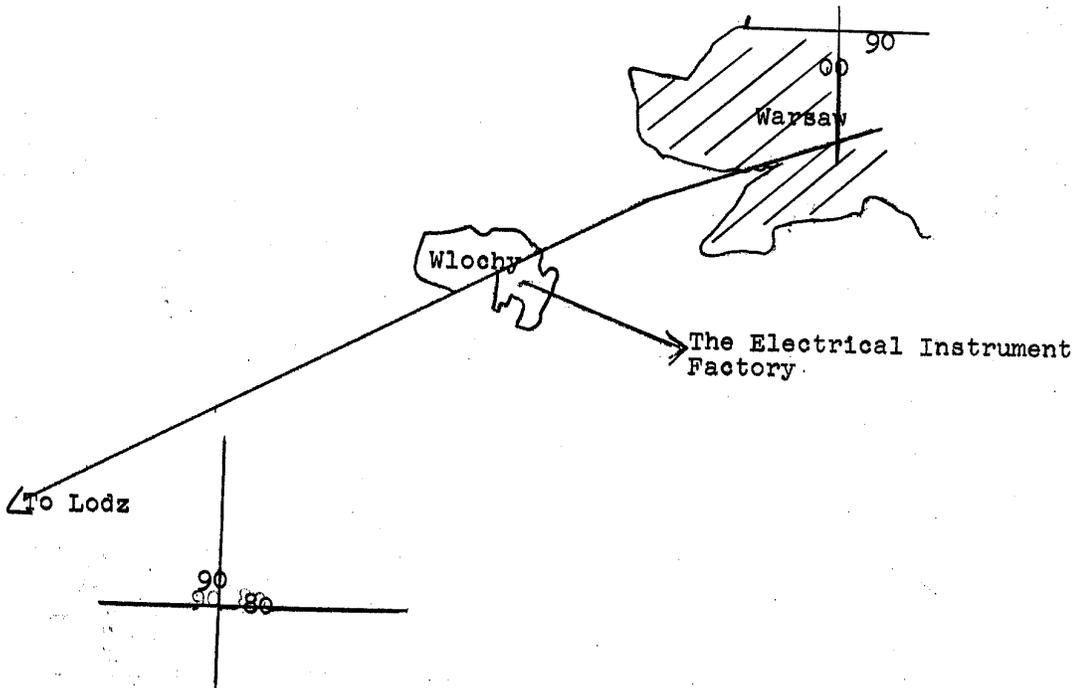
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ANNEX A:

Overlay, Showing Location of the Electrical Instrument Factory, Based on the Map of Warsaw, Poland, 1:100,000, Sheet P15, N51-45, E20-20/30 x 60



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